ASEE
AMERICAN SOCIETY FOR ENGINEERING EDUCATION

ASEE NORTH CENTRAL SECTION Newsletter

Fall 2021

EDITOR:
Jeff Kastner, University of Cincinnati

Letter from ASEE North Central Section Past Chair – Betsy Aller, Ph.D.

Greetings, ASEE North Central colleagues! As Past Chair of the North Central Section, let me say that we are happy to be moving toward "normal" after two years of either cancelled or online meetings. I am so proud of how the NCS board kept focus and supported our section's presence in these difficult times. Our spring and fall board meetings remained collegial and even fun while still getting the needed work done. So thank you all, officers and board members.

I am sad to be the only chair to have never had the honor to preside over an in-person spring section meeting, but I offer a heartfelt thanks to the chairs of the 2019 and 2020 meetings. As you'll recall, our spring meeting at W. Virginia University was cancelled just as we went into the COVID shutdown. Dr. Robin Hensel of WVU had organized a great meeting; she handled the shutdown and details of the cancelled meeting with the same patience and professionalism. We are so pleased that WVU has volunteered to hold the 2023 meeting, again with Dr. Hensel at the helm. This last spring, we made the difficult decision to hold our March meeting, hosted by University of Toledo, online. Under the leadership of Dr. Carmen Cioc, the online conference was outstanding. Access was seamless, the technology was handled flawlessly, and the scholarship and participation were robust and of highest quality. We thank both Dr. Hensel and Dr. Cioc for their leadership and grace under tough conditions. Now we look forward to the coming meeting at University of Pittsburgh, ably chaired by Dr. David Sanchez. (More info on this elsewhere in this newsletter.)

I'm delighted to hand the leadership of the section over to Dr. Nick Baines of Grand Valley State University. As Vice-chair, he has already handled or been involved in most aspects of running the section. He is exactly the right person to help us transition back into full and – can we hope? – in-person activities. I also congratulate the other new and re-elected officers and board members.
In short, I feel confident the North Central Section remains vigorous and active. While I have retired from active teaching at Western Michigan University, I hope to continue my involvement with the section board that stretches back to 2005. I look forward to seeing you in Pittsburgh and at future conferences!

Letter from ASEE North Central Section Chair - Nicholas Baine, Ph.D., P.E.

Greetings from Grand Rapids, Michigan! As the newly elected Chair of the ASEE North Central Section (NCS), I hope you all have had an excellent Fall Semester, with your campuses trending toward normal. I would like to take this opportunity to update everyone on activities within the North Central Section.

(Continued on next page)

Elections:

The results of the 2021 elections for the ASEE NCS Board were announced at the Virtual ASEE NCS Conference hosted by the University of Toledo in March. The results of that election were:

- Nicholas Baine (Grand Valley State University) elected Chair [2-year term]
- Andy Kline (Western Michigan University, Emeritus) elected Vice Chair [1-year term]
- David Dampier (Marshall University) elected Director [2-year term]
- Matthew Cavalli (Western Michigan University) elected Director [2-year term]

Officer Appointments:

As I was being elected chair, I asked all those in appointed positions to continue in their roles and all of them agreed; however, since that time, a long-serving member of our board has accepted a new position outside of the North Central Section. I would like to thank Kumar Yelamarthi for all his hard work having hosted the North Central Section Conference three times as Conference Chair and serving on the board of our section in many roles including Director, Best Paper Chair, and Webmaster for years. We wish him the best as he starts his new position as Associate Dean at Tennessee Technological University.

We have been blessed with volunteers who will take over the positions of Webmaster and Best Paper Chair. It is my pleasure to appoint Tony Kerzmann (University of Pittsburgh) as our new Best Paper Chair and Wook-Sung Yoo (Marshall University) as our new Webmaster.

I am grateful for everyone serving with me in the North Central Section. What we do is only made possible through the efforts of the team. The complete list of officers and board members can be found at the end of this newsletter.

Spring Conference:

The 2022 North Central Section Conference is being hosted by the University of Pittsburgh's Swanson School of Engineering on March 18-19. We are excited as our hosts plan an in-person conference. Many of us are eager to attend and see our friends and colleagues again.

Future Section Conferences:

At the Fall ASEE NCS Executive Board meeting, sites for upcoming conferences were determined. The 2023 Conference will be held at West Virginia University, which was originally to host in 2020 but was unfortunately cancelled. The 2025 Conference will be held at Marshall University. This leaves 2024 open and still looking for a host. Please contact me with a letter of interest if your school would like to host.

Section Awards:

I encourage all of you to nominate your colleagues for the Section Teaching Award. We have many talented members in this section, and their work deserves recognition.

In closing, I encourage you all become involved with ASEE by participating in the ASEE NCS Conference. This is also an excellent opportunity for students to get experience presenting either papers or posters at a conference. Prior to COVID, we enjoyed having large numbers of undergraduate and graduate students attend, and we hope to see them back in the conference again soon. I hope to see you there, in-person along with all the students you will bring.

Future Events:

- ✓ Spring 2022: ASEE – North Central Sectional Conference
  - University of Pittsburgh in Pittsburgh, Pa
  - March 27-28, 2022
  - See *Page 4* for more details
  - Abstract Submission Deadline: Dec. 6, 2021
- ✓ Summer 2022: ASEE – Annual Conference
  - Minneapolis, Minnesota
  - June 26-29, 2022
  - See Page 6 for more details
- ✓ Spring 2023: ASEE – North Central Sectional Conference
  - West Virginia University

ASEE – NCS Awards

- ✓ Updated list see Page 5

Executive Board Members:

- ✓ Updated list see Page 7

2022 NCS Outstanding Teaching Award

Nomination for the ASEE NCS Member is open so
Start Preparing for Your Submission Today
All nominations must be submitted on-line through the ASEE National website: https://www.asee.org/

Deadline for nominating is Februrary 15, 2022, and the deadline cannot be extended.

The Award: The award consists of a certificate, prepared by ASEE National Headquarters, and a honorarium, presented by the North Central Section. Presentations are made at the spring conference with notation in the ASEE Annual Awards Banquet Program. Note: Travel to the conference is not included in the award.

Qualifications: Candidates may be teachers of any subject included in an ABET/CEAB accredited engineering or engineering technology curriculum. In addition to technical courses, subjects may include the humanities and social studies, mathematics and science.

ASEE AMERICAN SOCIETY FOR ENGINEERING EDUCATION

University of Pittsburgh Swanson School of Engineering ASEE North Central Section Conference March 18-19, 2022 @ Univ. of Pittsburgh

Educating the Engineer of 2030

The ASEE North Central Section invites all from engineering and engineering technology to submit abstracts for the **2022 ASEE NC Conference hosted by The University of Pittsburgh's Swanson School of Engineering on March 18-19, 2022**. Authors are invited to submit full-length manuscripts, extended abstracts, and posters for presentation at the conference and inclusion in its proceedings. Students are encouraged to submit papers or posters on their senior design projects or undergraduate research experiences. All submissions, as well as reviewer sign up must be made through the conference management system: Monolith Link

Topics related to the broad conference theme and to the following are encouraged:

- Innovative curricula or teaching techniques
- Engineering and industry collaborations
- Active learning: project-based and hands-on learning activities
- Professional development: technical writing, presentation, teamwork, ethics, leadership, entrepreneurship
- Incorporating Sustainability into Engineering
- First Year Engineering
- Diversity: expanding opportunities, broadening participation, and mentoring talent • Senior capstone projects, Undergraduate research projects, student industry experiences
- Remote, Distance, Hybrid learning: methods, technologies, and assessment
- Community engagement, service learning, K-12 outreach with engineering
- Global engagement (e.g. study abroad programs, global academic partnerships)
- Recruitment and Retention of Engineering students Papers will be accepted based on a peer review of manuscripts.

Authors are expected to present their papers at the conference to facilitate the transfer of knowledge through discussion and debate. All accepted papers presented by a registered author will be included in the conference proceedings

Abstract Submission Opens	Monday, November 1, 2021
Abstract Submission Deadline	Monday, December 6, 2021
Abstract Acceptance Notification	Friday, December 17, 2022*
Draft Paper Upload Deadline/ Student Poster Abstract Submission Deadline	Friday, January 14, 2022
Paper Acceptance Notification	Monday, February 14, 2022
Final Paper Submission Deadline	Friday, March 4, 2022

2021 ASEE-NCS Awards

Outstanding Teacher Award

Krista Kecskemety, Ohio State University

Outstanding Campus Representative Award

Kumar Yelamarthi, Central Michigan University

Best Faculty Paper Award

1st Place **-** Steven T. Rowland, Michael William Eckels, Ramakrishnan Sundaram, Gannon University

2nd Place **-** Carmen Cioc, University of Toledo

Best Student Paper Award

1st Place **-** David T. DeLisle and Qin Hu, Eastern Michigan University

2nd Place **-** Uchenna Asogwa, Timothy Ryan Duckett, Gale A. Mentzer, Matthew W. Liberatore, University of Toledo

Best Student Poster

1st Place **-** Noah Scott Hancock, Shaheed H. Khan, Kelvin J. Watson, Ohio Northern University

2nd Place **-** Molly Elizabeth Burke, Sydney Tate Hanratty, Lydia Nemeth, Kaylee Hatfield, Daniel Noah Hughes, Jacob Dominic Rudy, Morgan Louise Schreck, Nikoly Dos Santos, Gannon University

2020 ASEE-NCS Awards

Outstanding Teacher Award

Betsy Morrow Aller, Western Michigan University

Outstanding Campus Representative Award

Ann D. Christy, The Ohio State University

Best Faculty Paper Award

1st Place **-** Ron Averill, Geoffrey Recktenwald, Sara Roccabianca, Ricardo Mejia-Alvarez, Michigan State University

2nd Place **-** Robert Michael,Davide Piovesan,David Gee, Gannon University

3rd Place **-** Chandika Annasiwatta, Sandra Soto-Caban, Muskingum University

WELCOME TO THE 2022 ANNUAL CONFERENCE AND EXPOSITION

Now in its 129th year, the ASEE Annual Conference and Exposition is the only conference dedicated to all disciplines of engineering and engineering technology education. The premier event of its kind, the ASEE Annual Conference and Exposition fosters an exchange of ideas, enhances teaching methods and curricula, and provides unparalleled networking opportunities for engineering and engineering technology education stakeholders, including deans, faculty members, researchers, and industry and government professionals.

The conference features more than 400 technical sessions and thousands of authors and speakers. It includes peer-reviewed papers spanning all disciplines of engineering education; distinguished lectures, including the main plenary; provocative panel discussions; award ceremonies and social events; the “Greet the Stars” orientation for new ASEE members and first-time conference attendees; and workshops on topics ranging from new tools and technologies to research-proven, practical tips for improving teaching, learning, and equity.

For more information: **ASEE Annual Conference 2022**

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